SB-514 - Application No. 10/533,560 Response to Office action March 7, 2007

Response submitted May 10, 2007

Amendments to the Claims

Listing of Claims:

Claims 1-7 (canceled).

Claim 8 (currently amended). A process for producing a molding with a basic body  $\,$ 

having a multiplicity of elevations merging into the basic body with inclined side

surfaces, the method which comprises the following steps:

providing powdery raw materials selected from the group consisting of

metallic materials and ceramic materials and pressing and sintering the powdery raw

materials to near-final shape, and thereby pressing in a two-stage pressing operation

with a first pressing stage and a second pressing stage; and

in the first pressing stage, pressing boundary surfaces of the basic body to

near final shape as far as transition regions of the elevations and simultaneously

pressing the elevations to an oversize, defined with a projection height h' from the

basic body being greater than a projection height h from the basic body in a finally pressed state by 10% - 150%, and with side surfaces of the elevations enclosing an

angle of inclination α' in a range from 90° - 150° with a respectively adjacent

boundary surface of the basic body, and

in the second pressing stage, pressing the elevations to near final shape, with

the angle of inclination α' increased to a value α in a range from 95° - 170°; and

subsequently sintering the basic body to produce the molding.

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Claim 9 (previously presented). The process according to claim 8, which comprises

forming the basic body as a disk-shaped or plate-shaped basic body, and forming

the elevations as knob-shaped and/or web-shaped elevations.

Claim 10 (previously presented). The process according to claim 8, which comprises

forming the projection height h' by 30% - 100% greater than the final projection

height h in the finally pressed state.

Claim 11 (previously presented). The process according to claim 8, which comprises

forming the angle of inclination α' within a range from 110° to 130°, and forming the

angle of inclination α within a range from 115° to 160°.

Claim 12 (previously presented). The process according to claim 8, which comprises

pre-sintering subsequently to the first pressing stage.

Claim 13 (previously presented). The process according to claim 8, which comprises

forming the molding from an alloy having at least 20% by weight of chromium

component.

Claim 14 (previously presented). The process according to claim 13, wherein the

alloy contains the chromium component, an iron component, and one or more

additional metallic and/or ceramic alloy components of a total of at most 40% by

weight, and which comprises introducing the additional alloy components into the

powdery raw materials as a pre-alloy with at least one of chromium and iron.

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Claim 15 (previously presented). The process according to claim 13, which comprises forming the molding as an interconnector of a fuel cell.